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a. PLAN A - Alteration and expansion of Navy facilities:

Cheltenham (Receiver Station)
Annapolis (Transmitter Station)

ADVANTAGES:

- (1) Establishment of CIG facilities at major Navy installations of known effectiveness, thereby making available Navy technical experience and advice in overcoming difficulties.
- (2) Possible sharing of certain phases of transmitter and receiver facilities by Navy and CIG. This would be a major consideration if the Navy is successful in obtaining additional badly needed technicians.
- (3) Possible use of regular Navy facilities in the event of an emergency, imposing additional burdens on CIG but not on Navy.
- (4) Possible saving of one or two technicians provided sufficient Navy personnel are available to render transmitter maintenance assistance.

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- (4) Control: Joint operation involves difficulties resulting from lack of unified control of facilities and personnel.
- (5) National emergencies, etc.: No assurance can be given that the Navy could continue to service CIG requirements in time of national emergency when maintenance of efficient CIG communications is most vital.
- (6) Expansion: The Navy proposal is limited to facilities for Latin American operations. Physical limitations at Annapolis, together with known Navy expansion plans, make it doubtful that additional space could be allocated to meet expanded CIG needs.
- (7) Transportation: Distances involved in the Annapolis-Cheltenham arrangement present difficult problems of transportation of personnel from the Washington area. The Navy at Annapolis indicated the virtual impossibility of obtaining housing in the city.

b. PLAN D - Point-to-Point (Receiver Station)
Ft. Meade (Transmitter Station)

There is available at the south end of the Ft. Meade military reservation an isolated area which was occupied by a radio intelligence company during the war. Antenna poles and building foundations are still in position and the area is enclosed by a fence. Under Plan D, the CIG transmitter station would be established at this site.

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DISADVANTAGES:

- (1) Personnel: Possible requirement for one or two additional transmitter personnel due to impossibility of using Navy technicians.
- (2) The unavailability of stand-by non-CIG equipment during limited emergencies.
- (3) The unavailability of non-CIG on-the-spot technical assistance and advice.

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2. [REDACTED] costs under either plan will be materially reduced due to availability of equipment in the Communications warehouse.

3. Enclosure 2 is a proposed T/O for operation under either plan. It is not known definitely whether any Navy transmitter attendants will be available under Plan A. If assistance of this type can be obtained, the T/O would be reduced by one or two technicians. The personnel figures are based on 24-hour 7-day week operation and safety requirements of two men at all times at the transmitter site. It should be noted that the adoption of Plan B will permit a consolidation of personnel at Munkituk since it is already planned to utilize this site for engineering experimental work.

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4 Enclosures